

5

SEQUENCE LISTING

## (1) GENERAL INFORMATION

(i) APPLICANT: van der Bruggen et al.

10 (ii) TITLE OF INVENTION: ISOLATED NUCLEIC ACID MOLECULE ENCODING  
PEPTIDES WHICH FORM COMPLEXES WITH MHC  
MOLECULE HLA-Cw\*1601 AND USES THEREOF

(iii) NUMBER OF SEQUENCES: 9

## (iv) CORRESPONDENCE ADDRESS:

- 15 (A) ADDRESSEE: Felfe & Lynch  
(B) STREET: 805 Third Avenue  
(C) CITY: New York  
(D) STATE: New York  
(E) COUNTRY: USA  
20 (F) ZIP: 10022

## (v) COMPUTER READABLE FORM:

- 25 (A) MEDIUM TYPE: 3.5 inch 1.44 Mb storage diskette  
(B) COMPUTER: IBM PS/2  
(C) OPERATING SYSTEM: PC-DOS  
(D) SOFTWARE: Wordperfect

## (vi) CURRENT APPLICATION DATA:

- 30 (A) APPLICATION NUMBER: Not Yet Assigned  
(B) FILING DATE: Herewith  
(C) CLASSIFICATION: 435

## (vii) PRIOR APPLICATION DATA:

- (A) APPLICATION NUMBER: 08/196,630  
35 (B) FILING DATE: February 15, 1994

## (viii) PRIOR APPLICATION DATA:

- (A) APPLICATION NUMBER: 08/079,110  
(B) FILING DATE: June 17, 1993

## (ix) ATTORNEY/AGENT INFORMATION:

- (A) NAME: Pasqualini, Patricia A.  
(B) REGISTRATION NUMBER: 34,894  
(C) REFERENCE/DOCKET NUMBER: LUD 5310.2

5 (ix) TELECOMMUNICATION INFORMATION:  
 (A) TELEPHONE: (212) 688-9200  
 (B) TELEFAX: (212) 838-3884

(2) INFORMATION FOR SEQ ID NO: 1:

## 10 (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 1004
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

15CGCCAATTTA GGCTCTCCGG TATCTCCCGC TGAGCTGCTC TGTTCCCGGC TTAGAGGACC	60	
2AGGAGAAAGGG GGAGCTGGAG GCTGGAGCCT GTAACACCGT GGCTCGTCTC ACTCTGGATG	120	
3GTGGTGGCAA CAGAGATGGC AGCGCAGCTG GAGTGTAGG AGGGCGGCCT GAGCGGTAGG	180	
4AGTGGGGCTG GAGCAGTAAG ATG GCG GCC AGA GCG GTT TTT CTG GCA TTG TCT Met Ala Ala Arg Ala Val Phe Leu Ala Leu Ser	233	
5	10	
6GCC CAG CTG CTC CAA GCC AGG CTG ATG AAG GAG GAG TCC CCT GTG GTG Ala Gln Leu Leu Gln Ala Arg Leu Met Lys Glu Glu Ser Pro Val Val	281	
15	20	25
7AGC TGG AGG TTG GAG CCT GAA GAC GGC ACA GCT CTG TGC TTC ATC TTC 25Ser Trp Arg Leu Glu Pro Glu Asp Gly Thr Ala Leu Cys Phe Ile Phe	329	
30	35	40
TGAGGTTGTG GCAGCCACGG TGATGGAGAC GGCAGCTAA CAGGAGCAAT AGGAGGAGAT	389	
GGAGTTTCAC TGTGTCAGCC AGGATGGTCT CGATCTCCTG ACCTCGTGAT CCGCCCCGCT	449	
TGGCCTTCCA AAGTGCCGAG ATTACAGCGA TGTGCATTGT GTAAGCACTT TGGAGCCACT	509	
30ATCAAATGCT GTGAAGAGAA ATGTACCCAG ATGTATCATT ATCCTTGTGC TGCAGGAGCC	569	
GGCTCCTTTC AGGATTCAG TCACATCTTC CTGCTTGTC CAGAACACAT TGACCAAGCT	629	
CCTGAAAGAT GTAAGTTAC TACGCATAGA CTTTAAACT TCAACCAATG TATTACTGA	689	
AAATAACAAA TGTTGTAAAT TCCCTGAGTG TTATTCTACT TGTATTAAAA GGTAAATAATA	749	
CATAATCATT AAAATCTGAG GGATCATTGC CAGAGATTGT TGGGGAGGGA AATGTTATCA	809	

5ACGGTTTCAT TGAAATTAAA TCCAAAAAGT TATTCCTCA GAAAAATCAA ATAAAGTTG	869
CATGTTTTT ATTCTTAAAA CATTAAAGA ACCACTGTAG AATGATGTAA ATAGGGACTG	929
TGCAGTATT CTGACATATA CTATAAAATT ATTAAAAAGT CAATCAGTAT TCAACATCTT	989
TTACACTAAA AAGCC	1004

(3) INFORMATION FOR SEQ ID NO: 2:

## 10 (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 43
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## 15 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

Met Ala Ala Arg Ala Val Phe Leu Ala Leu Ser Ala Gln Leu Leu Gln	5	10	15
Ala Arg Leu Met Lys Glu Glu Ser Pro Val Val Ser Trp Arg Leu Glu	20	25	30
Pro Glu Asp Gly Thr Ala Leu Cys Phe Ile Phe	35	40	

(4) INFORMATION FOR SEQ ID NO: 3:

## 25 (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 9
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

Ala Ala Arg Ala Val Phe Leu Ala Leu	5
30	

(5) INFORMATION FOR SEQ ID NO: 4:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 9

- 5           (B)     TYPE: amino acid  
           (C)     STRANDEDNESS: single  
           (D)     TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

Ala Arg Ala Val Phe Leu Ala Leu Phe  
 10                       5

(6) INFORMATION FOR SEQ ID NO: 5

- 15           (i) SEQUENCE CHARACTERISTICS:  
           (A) LENGTH: 9  
           (B) TYPE: amino acid  
           (C) STRANDEDNESS: single  
           (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

Met Ala Ala Arg Ala Val Phe Leu Ala  
 20                       5

(7) INFORMATION FOR SEQ ID NO: 6:

- 25           (i) SEQUENCE CHARACTERISTICS:  
           (A) LENGTH: 18  
           (B) TYPE: nucleic acid  
           (C) STRANDEDNESS: single  
           (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

TGGCTCGTCT CACTCTGG

18

(8) INFORMATION FOR SEQ ID NO: 7:

- 30           (i) SEQUENCE CHARACTERISTICS:  
           (A) LENGTH: 19  
           (B) TYPE: nucleic acid  
           (C) STRANDEDNESS: single  
           (D) TOPOLOGY: linear

5 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

CCTCCTATTG CTCCTGTTG

19

(9) INFORMATION FOR SEQ ID NO: 8:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 19
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:

GGCATCGTGA TGGACTCCG

19

15 (10) INFORMATION FOR SEQ ID NO: 9:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 19
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:

GCTGGAAAGGT GGACAGCGA

19